

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A method for the detection of marks (1, 1', 1'') by a sensor array (10) for a printing machine, ~~wherein comprising the steps of:~~  
applying the marks (1) on the first printing side (5) of the sheet (3) in the transport direction, substantially in line with the marks (1'') on a transport belt (11) for the transporting the sheets (3), detecting the marks (1) on a first printing side (5) of a sheet (3) are detected, that and turning over the sheet (3) is turned over and shifted  
shifting the sheet (3) in a direction transverse to the transport direction such that the marks (1') on the second printing side (6) of the sheet (3) are aligned in transport direction, substantially in line with the marks (1'') on the transport belt (11), and that thereafter detecting the marks (1') on a second printing side (6) of the sheet (3) are detected.
2. (Cancelled)
3. (Cancelled)
4. (Currently Amended) A printing machine for duplex printing on sheets (3) having detection marks (1, 1') on respective printing sides (5, 6) of such sheets comprising:  
a sensor array (10) for detecting the marks (1) on a first printing side (5) of a sheet (3), a device for turning over the sheet (3) and an alignment device (40) for shifting the sheet (3) in a direction transverse to the transport direction aligned in transport direction, substantially in line with the marks (1'') on the transport belt (11), and after the sheet is turned over, and shifted in a direction transverse to the transport direction, detecting the marks (1') on a second printing side (6) of the sheet (3) with said sensor array (10), and an alignment device (40) for shifting a sheet (3) in a direction transverse with respect to the transport direction after the sheet (3) has been turned over, in order to detect marks (1') on the second

~~printing side (6), said marks being offset with respect to the marks (1) on  
the first printing side (5).~~